


[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)


[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

**Scholar** All articles - [Recent articles](#) Results **1 - 10** of about **585** for **nacre mollusk shell structure STEM OR TEM**. (0.21 seconds)

### [Multiscale \*\*structure\*\* of sheet \*\*nacre\*\*- \*\\*inria.fr\* \(PDF\)](#)

M Rousseau, E Lopez, P Stempflié, M Brendlé, L ... - Biomaterials, 2005 - Elsevier

... Here, we propose to study the **structure** of the ... matrix using techniques such as darkfield

**TEM** or intermittent ... different places on the inner **shell nacre** layer of ...

[Cited by 46](#) - [Related articles](#) - [Web Search](#) - [All 12 versions](#)

### [Mollusc \*\*shell\*\* structures: novel design strategies for synthetic materials](#)

DL Kaplan - Current Opinion in Solid State & Materials Science, 1998 - Elsevier

... force microscopy of the nacreous layer in **mollusc** shells. ... Stucky GD et al.: Doe;

abalone **nacre** form by ... layer-to-layer registry in the **shell structure** based on ...

[Cited by 29](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### [Mollusk \*\*shell\*\* formation: a source of new concepts for understanding biomineralization processes](#)

L Addadi, D Joester, F Nudelman, S Weiner - Chemistry-A European Journal, 2006 - interscience.wiley.com

... The observed relatively weak b-sheet **structure** could well ... revisited this problem

using cryo- **TEM** which avoids ... tab- lets of adult **mollusk shell nacre** are coated ...

[Cited by 67](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 4 versions](#)

### [Control of aragonite or calcite polymorphism by \*\*mollusk shell\*\* macromolecules](#)

G Falini, S Albeck, S Weiner, L Addadi - Science, 1996 - sciencemag.org

... Macromolecules from calcitic **shell** layers induced mainly calcite formation ... is the

strategy used by **mollusks** to form ... 9). In the matrix sheets of **nacre**, the core ...

[Cited by 421](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 4 versions](#)

### [Mollusc \*\*shell\*\* microstructures and crystallographic textures- \*\\*ensicaen.fr\* \(PDF\)](#)

D Chateigner, C Hedegaard, HR Wenk - Journal of Structural Geology, 2000 - Elsevier

... the crystallographic properties of **nacre** tablets, but ... going systematic analysis of

**mollusc shell** textures to ... each of the main **shell structures** (Bøggild, 1930 ...

[Cited by 35](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 10 versions](#)

### [Macromolecules in Mollusc Shells and Their Functions in Biomineralization \[and Discussion\]](#)

S Weiner, W Traub, SB Parker - Philosophical Transactions of the Royal Society of London. ..., 1984 - journals.royalsociety.org

... W. 1983Å Electron diffraction of **mollusk shell** organic matrices ... SW 1970

Microarchitecture and deposition of gastropod **nacre**. ... any idea of the **structure** of ...

[Cited by 145](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### [Mollusk \*\*shell\*\* formation: Mapping the distribution of organic matrix components underlying a single ...](#)

F Nudelman, BA Gotliv, L Addadi, S Weiner - Journal of Structural Biology, 2006 - Elsevier

... showed that the imprint surface has a differentiated **structure** and raised ... of control

over crystal nucleation and growth in **mollusk nacre**. ... **Shell** decalcification. ...

[Cited by 27](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### [Structural and mechanical properties of the organic matrix layers of \*\*nacre\*\*](#)

F Song, AK Soh, YL Bai - Biomaterials, 2003 - Elsevier

... of **nacre** can be approximately described as a hypo-periodic **structure**, ie, on the

surfaces of the **nacre** parallel to that of the **shell**, each periodic ...

[Cited by 67](#) - [Related articles](#) - [Web Search](#) - [All 6 versions](#)

Crystal orientation, toughening mechanisms and a mimic of **nacre**

QL Feng, FZ Cui, G Pu, RZ Wang, HD Li - Materials Science & Engineering C, 2000 - Elsevier

... recently showed that soluble **shell** proteins can determine the polymorph of crystals grown on a ... **Nacre** from the 2-year-old bivalvia **mollusk** shells, Cristaria ...

[Cited by 39](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

Rigid biological systems as models for synthetic composites- [\\*washington.edu](#) (PDF)

G Mayer - Science, 2005 - sciencemag.org

... the fracture surfaces of various **mollusk shell structures**: (A) prismatic ... **Nacre** was also half as tough in the ... The architecture of a nacreous **structure** is shown ...

[Cited by 45](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 7 versions](#)

Key authors: [S Weiner](#) - [G Falini](#) - [L Addadi](#) - [S Albeck](#) - [C Brinker](#)



Result Page:    [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#)    [Next](#)

nacre mollusk shell structure STEM

Search

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2009 Google